



PUBLIC NOTICE

File Number: NRS 15.152

Pursuant to Chapter 0400-4-7 of the Department's rules, the proposed activity described below has been submitted for approval under an Aquatic Resource Alteration Permit and §401 Water Quality Certification. This notice is intended to inform interested parties of this permit application and to ask for comments and information necessary to determine possible impacts to water quality. No decision has been made whether to issue or deny this application.

APPLICANT: David Salyers
Executive Director
West TN River Basin Authority
3628 East End Drive
Humboldt, TN 38343
731-784-8173

LOCATION: Unnamed tributary to Running Reelfoot Bayou along SR21 from Lassiter Corner to Reelfoot Spillway, Samburg, Obion/Lake County, TN.

PROJECT DESCRIPTION: The applicant proposes to relocate 6,000 feet of the existing man made channel from the north side of SR-21 to 11,000 feet of constructed benched channel south of SR-21 to allow ready access to the floodplain. The restoration would be fully vegetated. The proposed activity should eliminate the flooding and mud slides that have overtopped SR-21 historically.

Impact 1: Latitude: 36.3550 Longitude: -89.3914
Unnamed tributary to Running Reelfoot Bayou (TN08010202029_1000)

The existing channel historically was relocated north of SR21 by passage under a bridge in Lassiter Corner and then constrained in a channel, bound by high berms, following the road until passing under SR22 then traveling west to a south culvert immediately prior to the Reelfoot spillway. The artificial channel has resulted in regular flooding, berm failures resulting in road closures and routine maintenance sediment removal at SR-22 to keep the bridge from backfilling with sediment. The applicant proposes to take 6,000 feet of the existing channel from the origin of the historic relocation and restore it by construction of 11,000 feet of flood benched channel south of SR-21 through an agricultural field to a confluence point with Running Reelfoot Bayou approximately 1,000 feet south of the existing spillway. The new channel would have a bottom width of 14-15 feet and a variable channel depth of averaging 3.5 feet. The channel would be created in the dry and stabilized prior to directing flow into the stream. Flood plain plantings would include woody shrub species and native short grasses and the stream channel stabilized with native seed mix, live stakes, root wads and erosion control matting. The new channel

floodplain area would be bound by a levee to protect the adjacent agricultural field from potential flooding and scour.

WATERSHED / WATERBODY DESCRIPTION: Running Reelfoot Bayou (TN08010202029_1000) flows into the Obion River which is in the North Fork Obion River Watershed. The Tennessee portion of the Obion River (North Fork) Watershed is located in West Tennessee and includes parts of Dyer, Gibson, Henry, Lake, Lauderdale, Obion and Weakley counties. It is approximately 1,313 square miles (1,169 square miles in Tennessee) and drains to the Obion River. For more information on this watershed please visit <http://tn.gov/environment/article/north-fork-obion-river-watershed>.

Running Reelfoot Bayou (TN08010202029_1000) is in the Northern Holocene Meandering Belts ecoregion (73a). The channel dimensions are as follows: channel bottom width (4-5 feet), channel top width (20-30 feet), water depth (1-3’), and bank height (18-25’). Typical substrate in this section is comprised of silt sand fine gravel.

Stream Name / ID #: Running Reelfoot Bayou (TN08010202029_1000)

Ecoregion: Northern Holocene Meandering Belts ecoregion (73a)

Stream Dimension:

Channel bottom width	4-5’
Chanel top width	20-30’
Water depth	1-3”
Bank height	18-25’

Substrate: silt sand fine gravel

Designated Use

Fish and aquatic life

Use Support

not supporting

Causes

dissolved oxygen, nutrients,
Sediment/siltation and physical
substrate due to channelization

Recreation

not supporting

Industrial water supply

fully supporting

Irrigation

fully supporting

Livestock watering & wildlife

not supporting

Running Reelfoot Bayou (TN08010202029_1000) was assessed in 2014. It is not supporting its designated uses. The stream is impaired for dissolved oxygen, nutrients, sediment/siltation and physical substrate due to channelization. Therefore the stream is an ideal candidate for restoration activities that would improve the type and level of impact.

Assessment Date: 2014

PERMIT COORDINATOR: Brian Canada

FACTORS CONSIDERED: In deciding whether to issue or deny a permit, the department will consider all comments of record and the requirements of applicable federal and state laws. In making this decision, a determination will be made regarding the lost value of the resource compared to the value of any proposed mitigation. The department shall consider practicable alternatives to the alteration. The department shall also consider loss of waters or habitat,

diminishment in biological diversity, cumulative or secondary impacts to the water resource, and adverse impact to unique, high quality, or impaired waters.

COMMENTING: Persons wishing to comment on the proposal are invited to submit written comments to the department. Written comments must be received within **thirty days of the date that this notice is posted**. Comments will become part of the record and will be considered in the final decision. The applicant's name and permit number should be referenced. Send all written comments to the department's address listed below and to the attention of the permit coordinator.

PUBLIC HEARING: Interested persons may request in writing that the department hold a public hearing on this application. The request must be filed within the comment period, indicate the interest of the person requesting it, the reasons that the hearing is warranted, and the water quality issues being raised. When there is sufficient public interest in water quality issues, the department will hold a public hearing. Send all public hearing request to the department's address listed below and to the attention of the permit coordinator.

APPEAL: A permit appeal may be filed, pursuant to T.C.A. §§ 69-3-105(i) and Rule 0400-40-05, by the permit applicant or by any aggrieved person who participated in the public comment period announced by this notice. This petition must be filed within THIRTY (30) DAYS after public notice of the issuance of the permit. The petition must specify what provisions are being appealed and the basis for the appeal. It should be addressed to the technical secretary of the Tennessee Board of Water Quality, Oil and Gas at the following address: Tisha Benton, Director, Division of Water Resources, William R. Snodgrass Tennessee Tower, 312 Rosa L. Parks Ave, 11th floor, Nashville, TN 37243. Any hearing would be in accordance with T.C.A. §§69-3-110 and 4-5-301 et seq.

FILE REVIEW: The permit application, supporting documentation including detailed plans and maps, and related comments are available at the department's address (listed below) for review and/or copying.

Tennessee Department of Environment & Conservation
Division of Water Resources, Natural Resources Unit
William R. Snodgrass Tennessee Tower
312 Rosa L. Parks Avenue, 11th Floor
Nashville, Tennessee 37243



WEST TENNESSEE
RIVER BASIN
AUTHORITY

CONTACT INFORMATION

ENGINEER: DAVID BLACKWOOD, P.E.
WEST TENNESSEE RIVER BASIN AUTHORITY
3628 EAST END DRIVE
HUMBOLDT, TN 38343
PHONE 731-794-4173
FAX 731-794-2606

SURVEYOR:

CARMAK SURVEYING
1288 WEERS RD.
HUMBOLDT, TN 38343
PHONE 731-436-4553
ATTN: RANDALL S. CARMAK

REELFOOT RUNNING BAYOU
TRIBUTARY IMPROVEMENTS

30% CONSTRUCTION DOCUMENTS
JULY 2015



PROJECT LOCATION



VICINITY MAP

Sheet Index	
Sheet Number	Sheet Title
C-10	GENERAL NOTES
C-11	GENERAL NOTES
C-12	GENERAL NOTES
C-13	GENERAL NOTES
C-14	GENERAL NOTES
C-15	GENERAL NOTES
C-16	GENERAL NOTES
C-17	GENERAL NOTES
C-18	GENERAL NOTES
C-19	GENERAL NOTES
C-20	GENERAL NOTES
C-21	GENERAL NOTES
C-22	GENERAL NOTES
C-23	GENERAL NOTES
C-24	GENERAL NOTES
C-25	GENERAL NOTES
C-26	GENERAL NOTES
C-27	GENERAL NOTES
C-28	GENERAL NOTES
C-29	GENERAL NOTES
C-30	GENERAL NOTES
C-31	GENERAL NOTES
C-32	GENERAL NOTES
C-33	GENERAL NOTES
C-34	GENERAL NOTES
C-35	GENERAL NOTES
C-36	GENERAL NOTES
C-37	GENERAL NOTES
C-38	GENERAL NOTES
C-39	GENERAL NOTES
C-40	GENERAL NOTES
C-41	GENERAL NOTES
C-42	GENERAL NOTES
C-43	GENERAL NOTES
C-44	GENERAL NOTES
C-45	GENERAL NOTES
C-46	GENERAL NOTES
C-47	GENERAL NOTES
C-48	GENERAL NOTES
C-49	GENERAL NOTES
C-50	GENERAL NOTES
C-51	GENERAL NOTES
C-52	GENERAL NOTES
C-53	GENERAL NOTES
C-54	GENERAL NOTES
C-55	GENERAL NOTES
C-56	GENERAL NOTES
C-57	GENERAL NOTES
C-58	GENERAL NOTES
C-59	GENERAL NOTES
C-60	GENERAL NOTES
C-61	GENERAL NOTES
C-62	GENERAL NOTES
C-63	GENERAL NOTES
C-64	GENERAL NOTES
C-65	GENERAL NOTES
C-66	GENERAL NOTES
C-67	GENERAL NOTES
C-68	GENERAL NOTES
C-69	GENERAL NOTES
C-70	GENERAL NOTES
C-71	GENERAL NOTES
C-72	GENERAL NOTES
C-73	GENERAL NOTES
C-74	GENERAL NOTES
C-75	GENERAL NOTES
C-76	GENERAL NOTES
C-77	GENERAL NOTES
C-78	GENERAL NOTES
C-79	GENERAL NOTES
C-80	GENERAL NOTES
C-81	GENERAL NOTES
C-82	GENERAL NOTES
C-83	GENERAL NOTES
C-84	GENERAL NOTES
C-85	GENERAL NOTES
C-86	GENERAL NOTES
C-87	GENERAL NOTES
C-88	GENERAL NOTES
C-89	GENERAL NOTES
C-90	GENERAL NOTES
C-91	GENERAL NOTES
C-92	GENERAL NOTES
C-93	GENERAL NOTES
C-94	GENERAL NOTES
C-95	GENERAL NOTES
C-96	GENERAL NOTES
C-97	GENERAL NOTES
C-98	GENERAL NOTES
C-99	GENERAL NOTES
C-100	GENERAL NOTES



PROJECT SITE





Red dots are the start and end of the project.
General Project Location = 36.3550 N and -89.3914 E



Google earth

Program Date: 11/20/13, 14:20:00, 11/20/13, 14:20:00, 11/20/13, 14:20:00

© 2013 Google